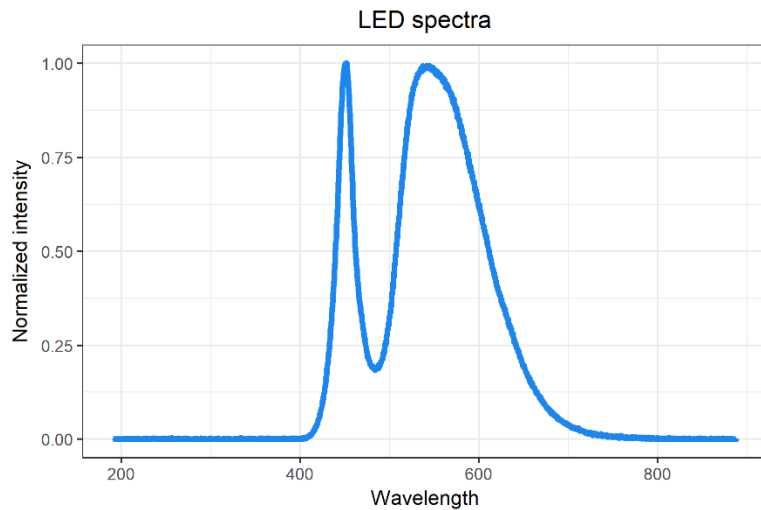
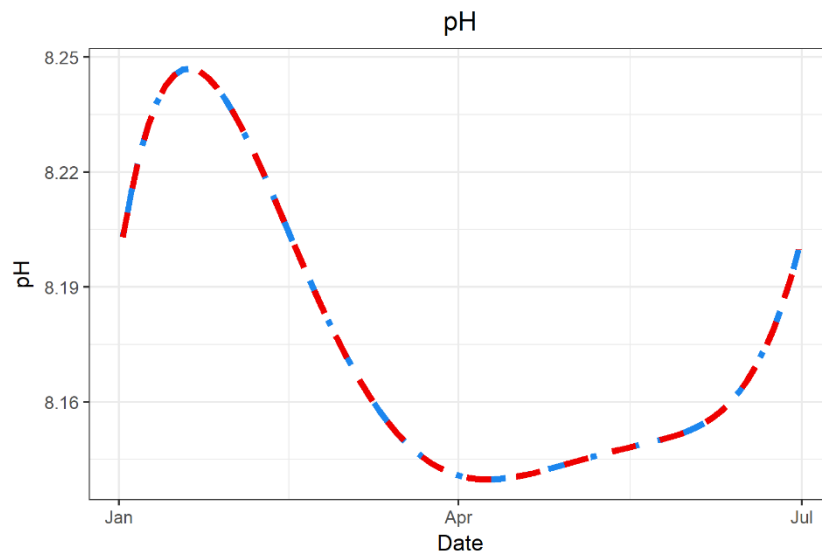


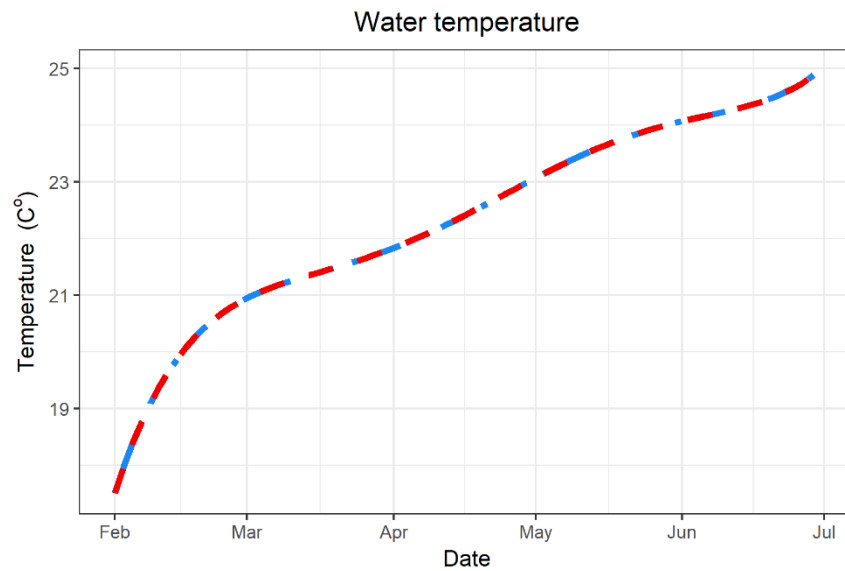
Supplementary figures



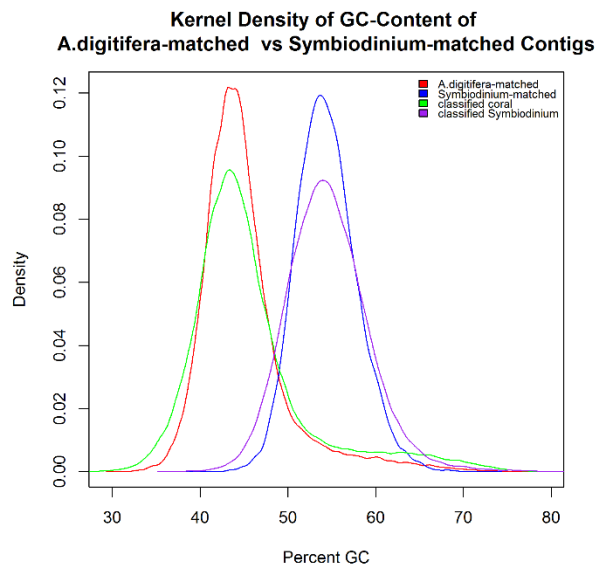
Supplementary Figure 1: **LED light spectrum** showing wave length and intensity made by using the Ocean Optics JAZ spectrometer. the curve is normalized to be 1 at its maximum.



Supplementary Figure 2: **pH measurements** in both aquariums for the duration of the experiment (February-June). Red dotes indicate control (AMB) tank, blue dots indicate light treatment (ELP) tank.



Supplementary Figure 3: Temperature measurements in both aquariums for the duration of the experiment (February-June). Red dots indicate control (AMB) tank, blue dots indicate light treatment (ELP) tank.



Supplementary Figure 4: G-C content of coral transcript and Symbiodinium transcripts showing the separation between the organism's transcripts.